



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/767,955	01/24/2001	Hsien-Ying Chou	3158/0J019	2789

7590 10/02/2002

YA- CHIAO CHANG  
805 THIRD AVENUE  
NEW YORK, NY 10022

[REDACTED] EXAMINER

PATEL, NITIN

ART UNIT	PAPER NUMBER
2673	

DATE MAILED: 10/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

HO

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/767,955	CHOU, HSIEN-YING	
	<b>Examiner</b> Nitin Patel	<b>Art Unit</b> 2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 24 January 2001.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-14 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
 If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
 a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)           | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . | 6) <input type="checkbox"/> Other: _____ .                                   |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).
3. Claims 1, 5, 6, 14 rejected under 35 U.S.C. 102(e) as being anticipated by Sakamoto (U.S. Patent No. 6,429,839).

As per claim 1, Sakamoto shows an auto-improving display flicker method Detecting the display flicker level and producing a detection voltage; comparing the detection voltage with a predetermined voltage and automatically switching to a predetermined display flicker processing technique if the detection voltage is greater than the predetermined voltage (In Col.7 lines 54-67 to Col.8 lines 1-15).

As per claims 5, 14 a liquid crystal display is selected as the display (In Col.6 lines 17-20).

As per claim 6, a display circuit for supplying a signal pattern; a detecting device for detecting the signal pattern and outputting a detection voltage; a comparator for comparing the detection voltage with a predetermined voltage and outputting a switch control signal when the detection voltage value is greater than the predetermined voltage value and a video and timing control unit for switching the switch control signal into a predetermined display flicker processing technique (In col.7 lines 54-67 to Col.8 lines 1-15 and In Fig.4).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
5. Claims 2-4 and 7-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakamoto (U.S. Patent No. 6,429,839) in view of Capplels (U.S. Patent No. 5,731,843).

As per claim 2-4,7-13 Sakamoto does not show a flicker processing technique other than dot or column inversion and magnitude of voltage varied depending on predetermined flicker and magnitude of voltage is adjustable due to a flicker which includes a circuitry with bandpass filter and rectifier with active and passive device.

Capplels shows a flicker processing technique other than dot or column inversion and magnitude of voltage varied depending on predetermined flicker and

magnitude of voltage is adjustable due to a flicker which includes a circuitry with bandpass filter and rectifier with active and passive device (In col.4 lines 23-67 to Col.6 and 6 entirely). It would have been obvious to one of ordinary skill in that art, at the time of the invention was made to allow the teaching of Capples's into the system of Sakamoto's because it would have detected voltage transition between pixel intensities and video signal which compared with clock pulse signal of the video display signal in order to correctly match the frequency and phase of the video signal and pixel sampling clock to produce a more stable and noise free image on the LCD video display.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-308-9052 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-9618.

Application/Control Number: 09/767,955

Page 5

Art Unit: 2673

NP

September 27, 2002



Vijay Shankar  
VIJAY SHANKAR  
PRIMARY EXAMINER